

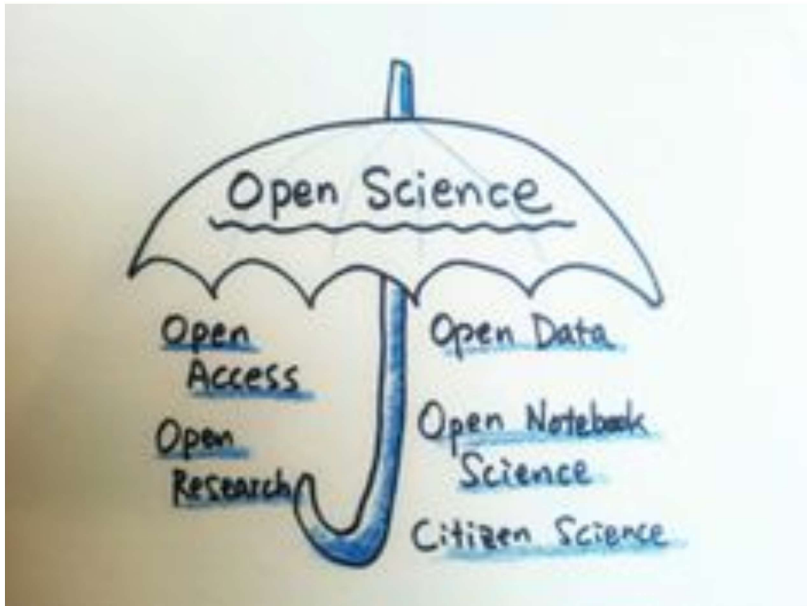
Verso una Open peer review dei dati: uno studio pilota nelle Scienze sociali

Daniela Luzi, Roberta Ruggieri, Lucio Pisacane, Rosa Di Cesare

Consiglio Nazionale delle Ricerche,
Istituto di Ricerche sulla Popolazione e le Politiche Sociali, Roma

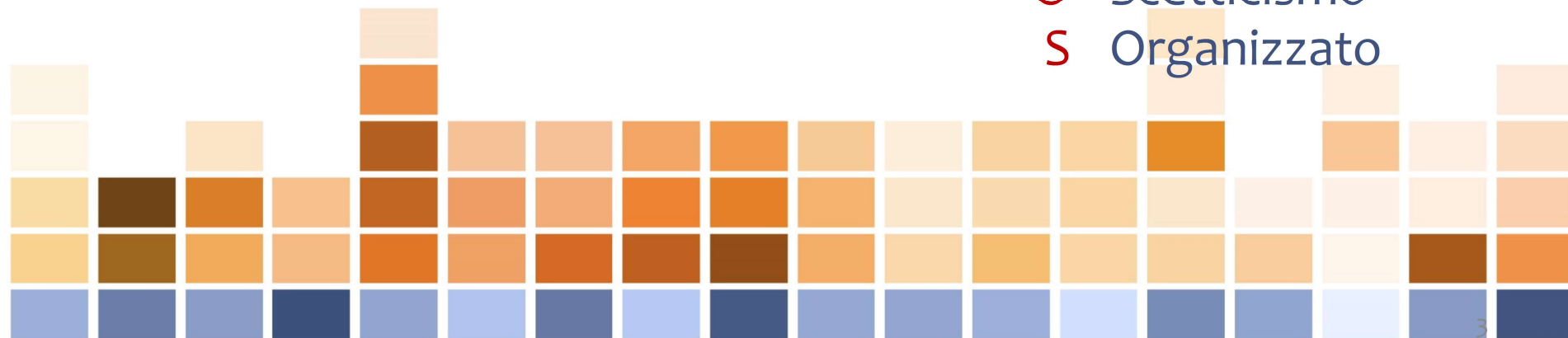
- ❑ Problematiche generali:
 - Condivisione vs. Pubblicazione
 - Data repository and data journal
 - I dati della ricerca
- ❑ Il progetto OpenUp
 - Lo studio pilota: primi risultati
- ❑ Considerazioni finali

Open science e CUDOS



C Comunismo
U Universalismo
D Disinteresse
O Scetticismo
S Organizzato

Open peer review



AISA, Milano 9-10 Novembre 2017



Cosa significa rendere i dati accessibili ?

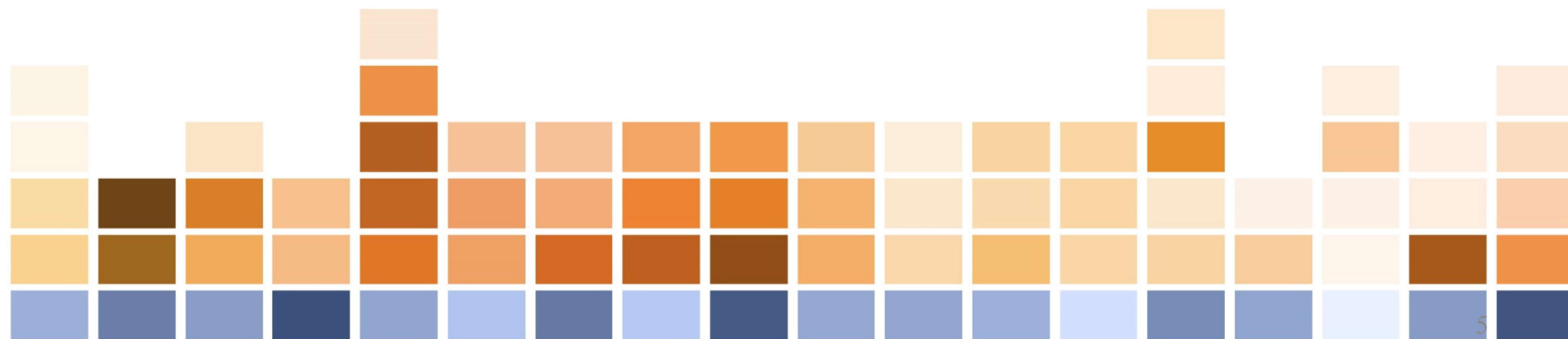
- Pubblicazione vs condivisione
 - rendere i dati permanentemente disponibili su Internet
 - creazione di metadati
 - processo di validazione (peer review)
- Principali fonti di Pubblicazione dei dati:





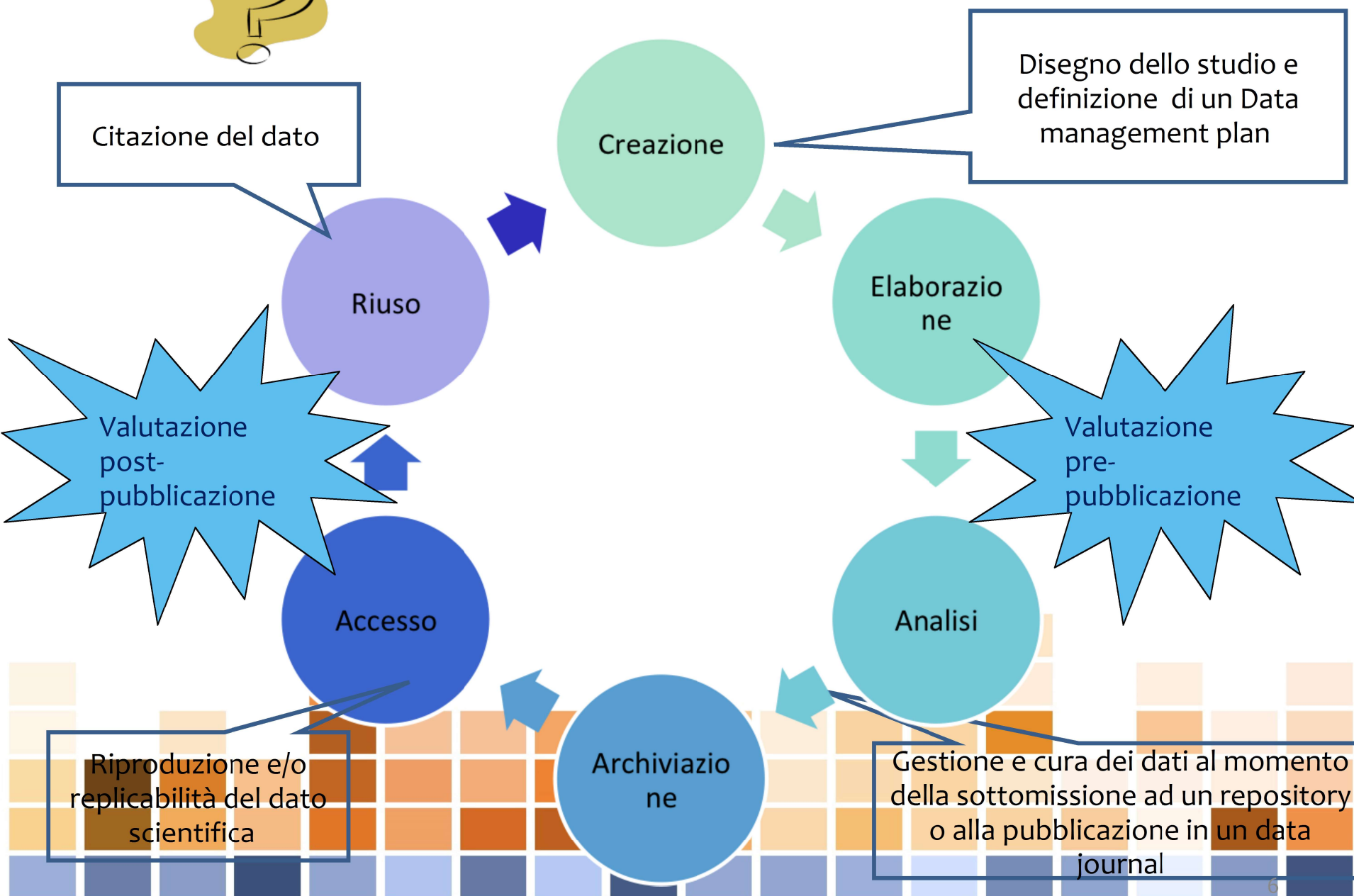
Cosa si intende per qualità del dato?

- «fit for purpose»
- descrizione appropriata del dato (metadati)
- aspetti tecnici di creazione e cura del dato (recuperabile, accessibile e riutilizzabile)
- «fitness for use by data consumers»





In quali fasi della ricerca si valutano i dati?





Quali aspetti del dato devono essere oggetto di validazione ?

Dato:

- Complesso
 - Legato alla disciplina, ai metodi, strumenti e tecniche di raccolta
- Dinamico



- Diversi criteri di valutazione
- Diversi, a volte sovrapposti, gli attributi dei criteri

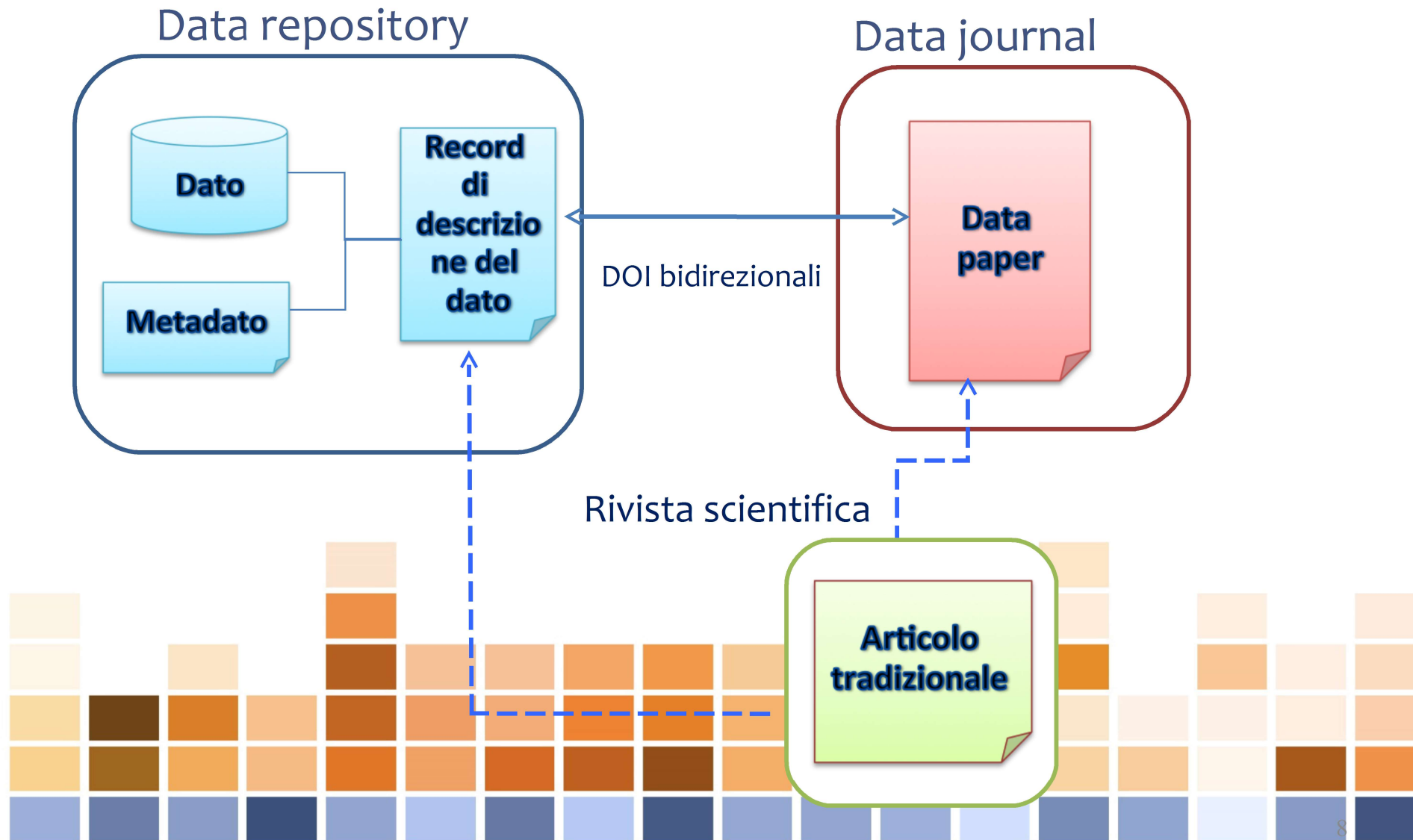
Es:

Accessibilità = licenze d'uso, formato, software non proprietario, ..

Recuperabilità = DOI, produttore, parole chiave, ...

Riuso = metadato, licenze d'uso, qualità della documentazione, ..

Modello ideale di Pubblicazione dei dati





- About
- Editorial board
- Articles
- Special issues
- Subscribe to alerts
- Peer review
- Living data process
- For authors
- For reviewers



OPEN
ACCESS



INTERACTIVE PUBLIC
PEER REVIEW



ARTICLE LEVEL
METRICS

Chief editors: David Carlson & Hans Pfeiffer

Earth System Science Data (ESSD) is an international, interdisciplinary journal for the publication of articles on original research data (sets), furthering the reuse of high-quality data of benefit to Earth system sciences. The editors encourage submissions on original data or data collections which are of sufficient quality and have potential to contribute to these aims. The journal maintains sections for regular-length articles, brief communications (e.g. on additions to data sets) and commentaries, as well as review articles and special issues.



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04 Jul 2017



Revision of editors', referees', and authors' obligations

The [general obligations](#) for editors, referees, and authors have been revised to give advice for the appropriate handling of literature suggestions. ▶

29 Jun 2017



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Journal metrics



IF 6.696



CiteScore
7.28



SNIP 2.755



Earth Syst. Sci. Data, 9, 163–179, 2017
<https://doi.org/10.5194/essd-9-163-2017>
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Volume 9, issue 1



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Article Assets Peer review Metrics Related articles

28 Feb 2017

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Supplement (175 KB)

Short summary

Geo-referenced catch and fishing effort data of the bigeye tuna fisheries in the Indian Ocean...
[Read more](#)

Citation

- BibTeX
- EndNote

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Standardization of a geo-referenced fishing data set for the Indian Ocean bigeye tuna, *Thunnus obesus* (1952–2014)

Teja A. Wibawa^{1,2}, Patrick Lehodey¹, and Inna Senina¹

¹Marine Ecosystem Department, Space Oceanography Division, CLS, 8–10 rue Hermès, 31520, France

²Institute for Marine Research and Observations IMRO, Prancak Jembrana Bali, 82218, Indonesia

Received: 20 Aug 2016 – Discussion started: 12 Sep 2016
 Revised: 21 Dec 2016 – Accepted: 13 Jan 2017 – Published: 28 Feb 2017

Abstract. Geo-referenced catch and fishing effort data of the bigeye tuna fisheries in the Indian Ocean over 1952–2014 were analyzed and standardized to facilitate population dynamics modeling studies. During this 62-year historical period of exploitation, many changes occurred both in the fishing techniques and the monitoring of activity. This study includes a series of processing steps used for standardization of spatial resolution, conversion and standardization of catch and effort units, raising of geo-referenced catch into nominal catch level, screening and correction of outliers, and detection of major catchability changes over long time series of fishing data, i.e., the Japanese longline fleet operating in the tropical Indian Ocean. A total of 30 fisheries were finally determined from longline, purse seine and other-gears data sets, from which 10 longline and 4 purse seine fisheries represented 96 % of the whole historical geo-referenced catch. Nevertheless, one-third of total nominal catch is still not included due to a total lack of geo-referenced information and would need to be processed separately, accordingly to the requirements of the study. The geo-referenced records of catch, fishing effort and associated length frequency samples of all fisheries are available at [doi:10.1594/PANGAEA.864154](https://doi.org/10.1594/PANGAEA.864154).

Citation: Wibawa, T. A., Lehodey, P., and Senina, I.: Standardization of a geo-referenced fishing data set for the Indian Ocean bigeye tuna, *Thunnus obesus* (1952–2014), Earth Syst. Sci. Data, 9, 163–179, <https://doi.org/10.5194/essd-9-163-2017>, 2017.

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28 Feb 2017

Standardization of a geo-referenced fishing data set for the Indian Ocean bigeye tuna, *Thunnus obesus* (1952–2014)

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Data sets

Standardized geo-referenced catch, fishing effort and length-frequency data for the Indian Ocean Bigeye Tuna, *Thunnus obesus* (1952–2014)

T. A. Wibawa, P. Lehodey, I. Senina

<https://doi.org/10.1594/PANGAEA.864154>



PANGAEA.

Data Publisher for Earth & Environmental Science



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Supplement to: Wibawa, TA et al. (2017): Standardization of a geo-referenced fishing data set for the Indian Ocean bigeye tuna, *Thunnus obesus* (1952–2014). *Earth System Science Data*, **9**(1), 163–179. <https://doi.org/10.5194/essd-9-163-2017>

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Abstract: Geo-referenced catch and fishing effort data of the bigeye tuna fisheries in the Indian Ocean over 1952–2014 were analysed and standardized to facilitate population dynamics modelling studies. During this sixty-two years historical period of exploitation, many changes occurred both in the fishing techniques and the monitoring of activity. This study includes a series of processing steps used for standardization of spatial resolution, conversion and standardization of catch and effort units, raising of geo-referenced catch into nominal catch level, screening and correction of outliers, and detection of major catchability changes over long time series of fishing data, i.e. the Japanese longline fleet operating in the tropical Indian Ocean. A total of thirty fisheries were finally determined from longline, purse seine and other-gears data sets, from which 10 longline and four purse seine fisheries represented 96% of the whole historical catch. The geo-referenced records consists of catch, fishing effort and associated length frequency samples of all fisheries.

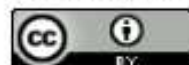
Coverage: Median Latitude: -23.077288 * Median Longitude: 87.220044 * South-bound Latitude: -47.500000 * West-bound Longitude: 22.500000 * North-bound Latitude: 25.500000 * East-bound Longitude: 147.500000
Date/Time Start: 1952-11-15T00:00:00 * Date/Time End: 2014-12-15T00:00:00

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Size: 2 datasets

Download Data

Download ZIP file containing all datasets as tab-delimited text (use the following character encoding: [UTF-8 Unicode \(PANGAEA default\)](#))



Article

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- Supplement to the final revised paper
- Discussion paper (published on 12 Sep 2016)

Interactive discussion

Status: closed

AC: Author comment | RC: Referee comment | SC: Short comment | EC: Editor comment

- Printer-friendly version - Supplement

RC1: 'Comments on MS essd-2016-40', Tony Diamond, 20 Oct 2016

AC1: 'Response to 1st reviewer', Teja Arief WIBAWA, 24 Nov 2016

RC2: 'Review of the manuscript Standardization of a geo-referenced fishing dataset for the Indian Ocean Bigeye Tuna, *Thunnus obesus* (1952–2014) by Wibawa et al.', Anonymous Referee #2, 25 Oct 2016

AC2: 'Response to 2nd reviewer', Teja Arief WIBAWA, 24 Nov 2016

EC1: 'ISO metadata to add, thanks', Falk Huettmann, 09 Nov 2016

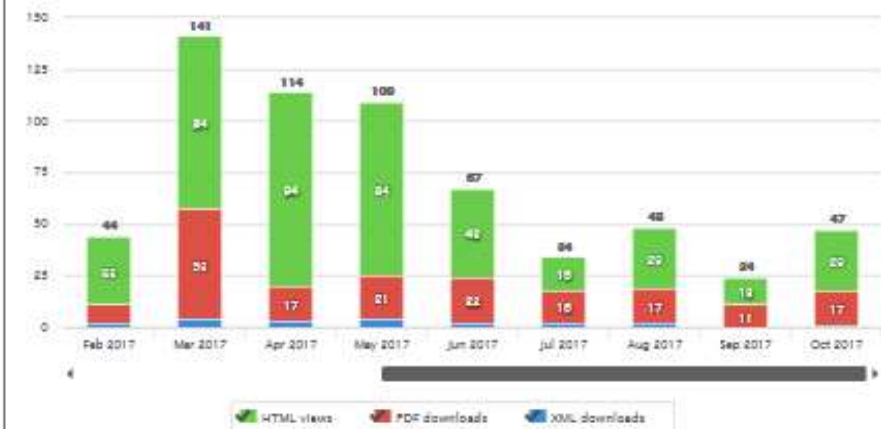
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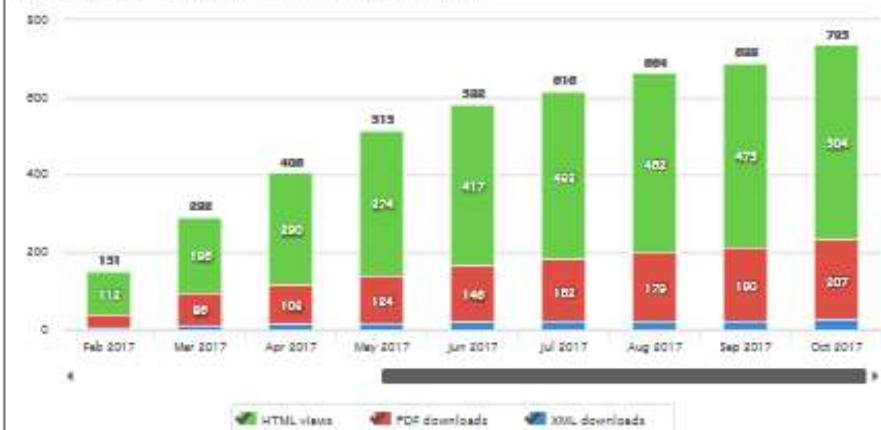
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HTML	PDF	XML	Total	Supplement	Bibtex	EndNote
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Cumulative views and downloads (calculated since 12 Sep 2016)



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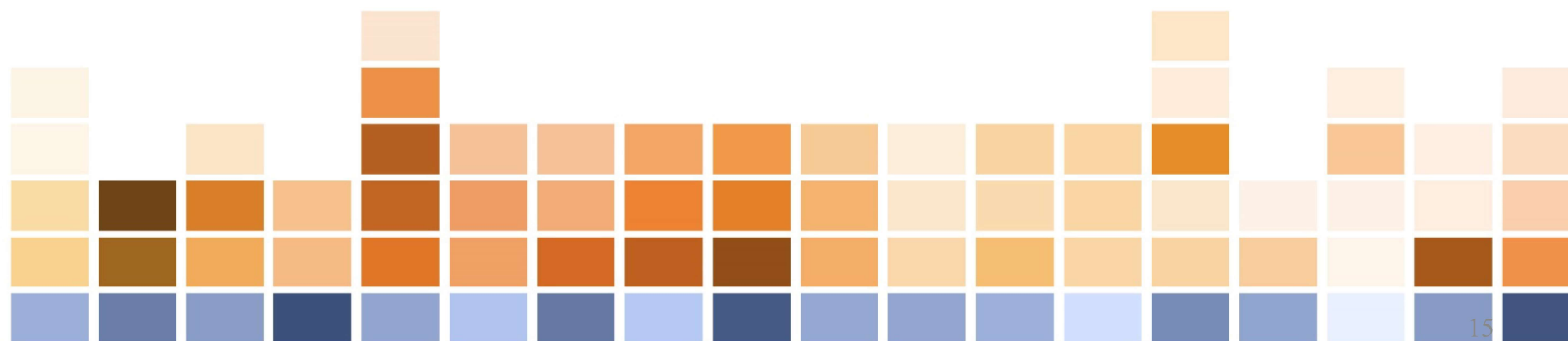
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Il progetto OpenUP

(Opening up new methods, indicators and tools for peer review, dissemination of research results, and impact measurement)



AISA, Milano 9-10 Novembre 2017

Il progetto OpenUP

OPENUP PROJECT

OPENing UP new methods, indicators and tools for peer review, dissemination of research results, and impact measurement

Open Access and Open Scholarship have revolutionized the way scholarly artefacts are evaluated and published, while the introduction of new technologies and media in scientific workflows has changed the "how and to whom" science is communicated, and how stakeholders interact with the scientific community. OpenUP addresses key aspects and challenges of the currently transforming science landscape and aspires to come up with a cohesive framework for the review-disseminate-assess phases of the research life cycle that is fit to support and promote Open Science.

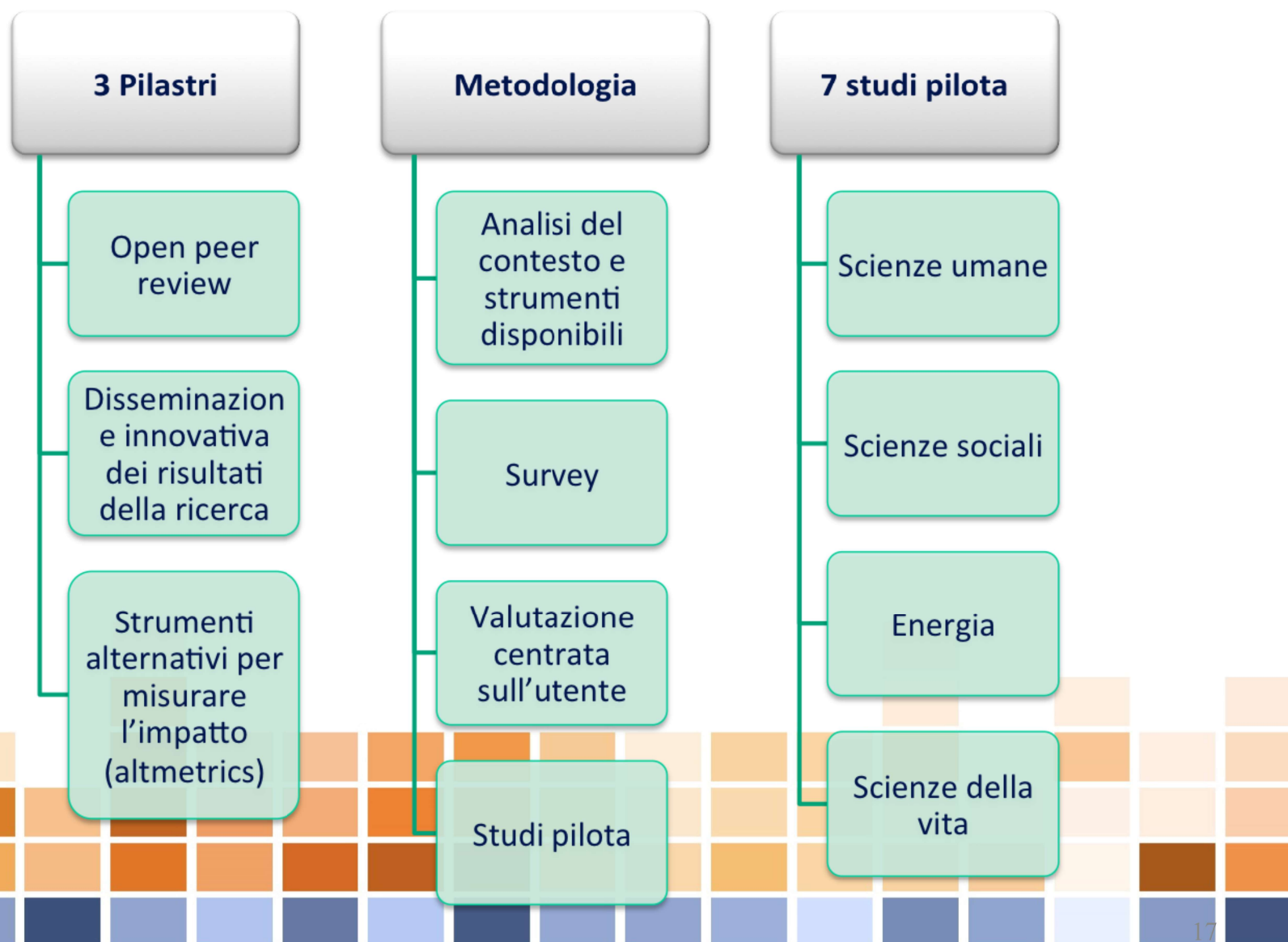
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OpenUP è un progetto finanziato dal programma europeo Horizon2020, nel quadro della tematica "Approcci innovativi nella disseminazione dei risultati e nella misurazione dell'impatto della ricerca scientifica".



OpenUP ricade tra le azioni di "Coordinamento e supporto alla ricerca" del programma quadro europeo finalizzate alla creazione di network, alla proposta di linee guida e politiche nonché allo sviluppo di piattaforme tecnologiche

Il pilastri del progetto e la metodologia



Pilot e scopi del pilot

Scopo:

- Indagare l'applicabilità dell'(open) peer review ai dati della ricerca nelle discipline afferenti alle Scienze sociali

Metodologia:

- Identificazione dei criteri di scelta della comunità
- Analisi del contesto
 - Analisi letteratura
 - Desk research



- Tipologie di dati
- Fornitori dei dati
- Modalità di diffusione/pubblicazione
- Tecniche di validazione

Tipologie di dati

- ❑ Diverse famiglie di discipline con proprie metodologie e tecniche di ricerca
- ❑ Dati sono intensivi, contestuali e dipendenti dal momento in cui vengono raccolti
- ❑ La varietà dei dati scaturisce:
 - approcci metodologici (qualitativi, quantitativi e quali-quantitativi)
 - tecniche di indagine (questionari, interviste, focus group, etc.)

❑ Generalmente i dati sono osservazionali e sperimentali

❑ Tra i dati primari anche video, foto e audio

I fornitori dei dati

❑ *Dati ufficiali* prodotti da *Enti governativi* per scopi diversi da quelli scientifici, per esempio:

- i censimenti
- indagini multiscopo
- Indicatori economici
-



Big data

❑ Dati prodotti dagli *Istituti statistici nazionali*

❑ *Long tail* dati prodotti da *scienziati sociali*

Data Journal nelle Science sociali

Research Data Journal for the Humanities and Social Sciences



Edited by Peter Doorn, *Data Archiving and Networked Services (DANS)* and Leen Breure, *ScieMedia*

Contributing to transparency of research, accelerating dissemination and fostering reuse of scholarly data.

Research Data Journal for the Humanities and Social Sciences is soliciting new submissions, in particular related to the following domains:

- Archaeology and geo-archaeological research
- Social and economic history
- Oral history
- Language and literature
- Audio-visual media

Click [here](#) for further information.

The Research Data Journal for the Humanities and Social Sciences (RDJ) is a peer-reviewed journal, which is designed to comprehensively document and publish deposited datasets and to facilitate their online exploration. RDJ is e-only and open access, and focuses on research across the Social Sciences and the Humanities.

[more](#)

- 1 solo Data journal
- Creato dal DANS nel 2016 e pubblicato da Brill
- Attualmente 8 articoli, solo 2 riconducibili alle Scienze sociali

o Merchants from the Southern Netherlands (1578–1630)

Author: Oscar Gelderblom¹

Source: Research Data Journal for the Humanities and Social Sciences

Available online: May 2016

Document Type: Research Article

Publication Year : 2016

DOI: 10.1163/24523666-01000002

[Subscription and article submission information](#)

Keywords: merchants; Amsterdam; Social and Economic History Data; Southern Netherlands



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[Metrics](#)

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Metrics (compiled monthly)

Total views over time

PDF Downloads: 0

HTML Full text views: 390

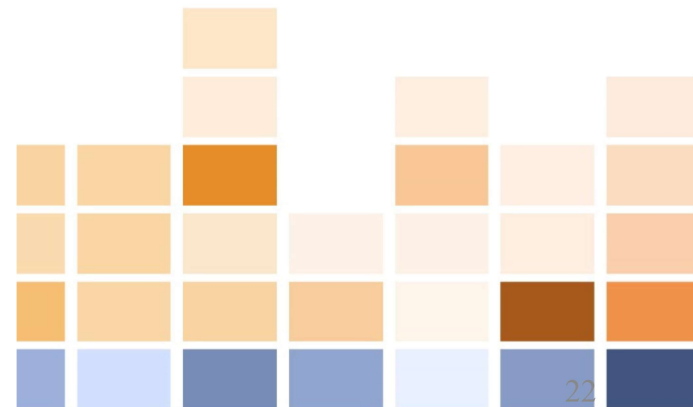
Abstract page views: 417

[Cattura rettangolare](#)

HTML Full text views: (48%)

Abstract page views: (52%)

- assegna il DOI
- non fornisce la descrizione standard di come citare l'articolo
- Implementa metriche d'uso



Nell'articolo è presente il riferimento al corrispondente dataset archiviato nel DANS

Data

[GO TO SECTION](#)

- Data deposited at DANS - DOI:10.17026/dans-zcd-mebh
- Temporal coverage: 1550-1631

MERCHANTS FROM THE SOUTHERN NETHERLANDS AND THE RISE OF THE AMSTERDAM STAPLE MARKET (1578-1630)

[Overview](#)
[Description](#)
[Data files \(26\)](#)

Cite as:

Gelderblom, Dr. O.C. (Universiteit Utrecht, Onderzoekinstituut voor Geschiedenis en Cultuur) (1998): *Merchants from the Southern Netherlands and the rise of the Amsterdam staple market (1578-1630)*. DANS. <https://doi.org/10.17026/dans-zcd-mebh>

1998-12-31 | Gelderblom, Dr. O.C. (Universiteit Utrecht, Onderzoekinstituut voor Geschiedenis en Cultuur) | [10.17026/dans-zcd-mebh](#)

Historical sources, like the Poortersboeken Amsterdam, two tax registers, Notarieel Archief and VOC/WIC-archives have been used in order to create a dataset on 16th and 17th century Amsterdam merchants. Selection and clustering resulted in a subset of merchants originating from the Southern Low Countries. To these three more database-tables, offering information on the social-religious context of the individual merchants, have been added: files F03, F04 and F10. Synthesis of the data in the key-database Prosopography Amsterdam (F06). Data-gathering and selection procedures have been explicitated in Gelderblom's thesis (see in Relation).

Relations

- [Website Amsterdam Merchants](#)
- [Oscar Gelderblom; Zuid-Nederlandse kooplieden en de opkomst van de Amsterdamse stapelmarkt \(1578-1630\) Uitgeverij Verloren - ISBN 90-6550-620-9](#)
- [O. Gelderblom, Merchants from the Southern Netherlands \(1578-1630\) in: Research Data Journal for the Humanities and Social Sciences, volume 1:1 \(2016\)](#)

is referenced by

Data Repository

Gesellschaft
Sozialwissenschaftlicher
Infrastruktureinrichtungen
(GESIS)
Swedish National Service
(SNS)
UK Data Archive,
DANS, etc...

Infrastrutture
di ricerca a
livello
internazionale

Data center
centralizzati a
livello nazionale

Repository istituzionali

Dati condivisi attraverso sito web del
progetto

- Consortium of European Social Science data Archives (CESSDA Eric)
- Interuniversity Consortium for Political and Social Research (ICPSR).

Piramide delle tipologie di data repository

Tecniche di validazione

Repository certificati dal Data Seal of Approval

Alcuni esempi dei processi di validazioni

Plan to share

"Plan ahead to create high-quality shareable research data"



Cattura rettangolare

SHARE

Good data management is fundamental for high quality research data and research excellence. Data management covers all aspects of handling, organising, documenting and enhancing research data, and enabling their sustainability and sharing.

Early planning of how best to manage research data, including future data sharing, is key to ensure optimal handling of research data over the length of a research project and beyond. Planning is best done using a data management plan.

Find out more:

[Data management planning overview](#)

[Data management planning for ESRC researchers](#)

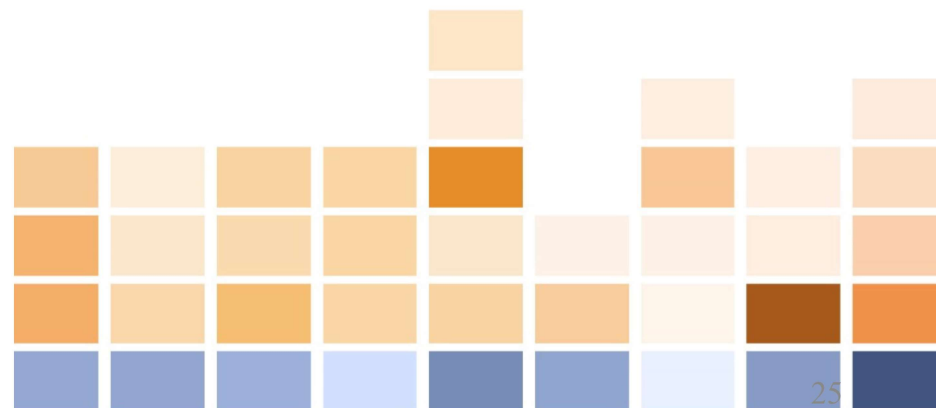
[Roles and responsibilities](#)

[Data management checklist](#)

[Costing data management](#)

[Why share data?](#)

[How to share data](#)



Guidelines per creazione di un data management plan

Quick Download ▾

(92 datasets; 14.101.995 KB)

Table of Contents

- Access Notes
- Dataset(s)
- Study Description
 - Citation
 - Funding
 - Scope of Study
 - Methodology
 - Version(s)
- Related Publications
- Variables
- Utilities
 - Metadata Exports
 - Download Statistics

Scope of Study

Subject Terms: ?

[deaths](#), [police officers](#)

Geographic Coverage

Time Period: ?

- 1975--1997

Date of Collection

- 1975--1997

Universe: ? Index

Data Type(s): ?

Data Collection Notes

The part numbers

Methodology

Mode of Data Collection

Extent of Process

files along with set

following processing

- Performed coding
- Created online analysis version with question text.
- Performed recodes and/or calculated derived variables.
- Checked for undocumented or out-of-range codes.

Data Type(s)

Cattura rettangolare

Information describing the kind of data included in the file.

- **Administrative records data** -- Information collected on individuals or groups as part of the routine administrative procedures of an agency, business, or institution. Such data are not usually collected with research purposes in mind, may be voluminous, and may require preparation such as coding in order to be usable by researchers. Examples include income tax forms, patent applications, and death certificates.
- **Aggregate data** -- When a file consists of summarized statistical data for an entire population.
- **Census/enumeration data** -- When data are collected from all members of a population.
- **Clinical data** -- When the data deal with psychological or medical-related testing.
- **Event/transaction data** -- When the data deal with a succession of events or transactions that occur over a specified time period.
- **Experimental data** -- Gleaned from experiments, not clinical in nature.
- **Machine-readable text** -- When a file is composed solely of computer-readable text (like verbatim responses).
- **Observational data** -- When researchers record their observations.
- **Roll call voting data** -- For records of votes of legislative bodies.
- **Survey data** -- When a file consists of data collected from a sample of respondents, generally through structured interviews or self-administered questionnaires.

[homicide](#), [larceny](#), [law enforcement](#), [offenders](#), [offenses](#), [police](#)

law enforcement agencies in the United States.

the risk of disclosure. ICPSR also routinely creates ready-to-go data
the data. In addition to these procedures, ICPSR performed the

ICPSR

Standard di metadati per la descrizione del dataset

Below you'll find all datasets that have been reviewed by two or more users who have downloaded that set. Click on the name of a dataset to see more detailed ratings. As more EASY-users share their opinion on the dataset(s) they have downloaded this list will grow. Please note that these ratings are not by DANS.

Dataset	Number of reactions	Average rating
Bestand Bodemgebruik 2006 - BBG'06	7	★★★★☆ (3.97/5)
Hardinxveld-Giessendam - De Bruin	4	★★★★☆ (3.91/5)
Sint-Oedenrode. Borchmolendijk. Inventariserend Veldonderzoek en Opgraving	2	★★★★☆ (4/5)
Prehistorie tussen de loopgraven. Nederzettingssporen en vondstcomplexen in Bennekom-Streekziekenhuis uit de midden-bronstijd tot de midden-ijzertijd, ca. 1500 tot 500 v.Chr.	2	★★★★☆ (4.5/5)
WoON2009: release 1.2 - Woononderzoek Nederland (voor overheid en universiteiten)	8	★★★★☆ (4.19/5)
RAM 96	2	★★★★☆ (4.5/5)
Onderzoek Verplaatsingen in Nederland 2011	11	★★★★☆ (3.88/5)
Getuigen Verhalen, Herinneringen aan mijn Amsterdamse zusje/broertje, interview 05	2	★★★★☆ (4/5)
WoON2009: release 1.3 - WoonOnderzoek Nederland (voor overheid en universiteiten)	6	★★★★☆ (4.03/5)
WoON2009: release 1.3 - WoonOnderzoek Nederland (voor overige partijen)	2	★★★★☆ (4.3/5)
Mobiliteitsonderzoek Nederland 2008	7	★★★★☆ (4.58/5)
Sociaal-culturele ontwikkelingen in Nederland, 2000 - SOCON 2000	2	★★★★☆ (3.42/5)
Arbeidsaanbodpanel (voorheen OSA Arbeidsaanbodpanel) 1985 t/m 2008	9	★★★★☆ (3.9/5)
Monitor Hoger Beroepsonderwijs, HBO Monitor 2009	3	★★★★☆ (3.44/5)
Native Neighbours: Local settlement system and social structure in the Roman period at Oss (The Netherlands)	2	★★★★☆ (3.6/5)

Esempio di valutazione post-pubblicazione

Below you can see how users have responded to the dataset '[Getuigen Verhalen, Herinneringen aan mijn Amsterdamse zusje/broertje, interview 05](#)'. The legend to the right explains the ratings.

Ratings:

- 5: very good
- 4: good
- 3: neither good nor bad
- 2: insufficient
- 1: bad

Aspect	Rating						Average rating
	(5)	(4)	(3)	(2)	(1)	(n/a)	
data quality	0	2	0	0	0	0	★★★★☆ (4/5)
quality of the documentation	0	2	0	0	0	0	★★★★☆ (4/5)
completeness of the data	0	2	0	0	0	0	★★★★☆ (4/5)
consistency of the dataset (if applicable)	0	1	0	0	0	1	★★★★☆ (4/5)
structure of the dataset (if applicable)	0	1	0	0	0	1	★★★★☆ (4/5)
usefulness of the file formats	0	2	0	0	0	0	★★★★☆ (4/5)

2 out of 3 reviewers of this dataset recommend the use of it.

1 out of 3 reviewers of this dataset has published using this dataset.

0 out of 3 reviewers of this dataset intend to use this dataset for a publication.



Alcune considerazioni

*Alcuni benefici del modello ideale rappresentato
da trusted repository e data journal*

Consolida buone pratiche → condivisione → dato come bene comune

Soddisfa le aspettative degli scienziati → priorità, credito

Soddisfa la comunità scientifica → valutazione tra pari, collaborazione

Impatto sulla ricerca → riproducibilità → integrità → nuova conoscenza

Impatto sociale → affidabilità della ricerca → no duplicazioni, ...



Alcune considerazioni

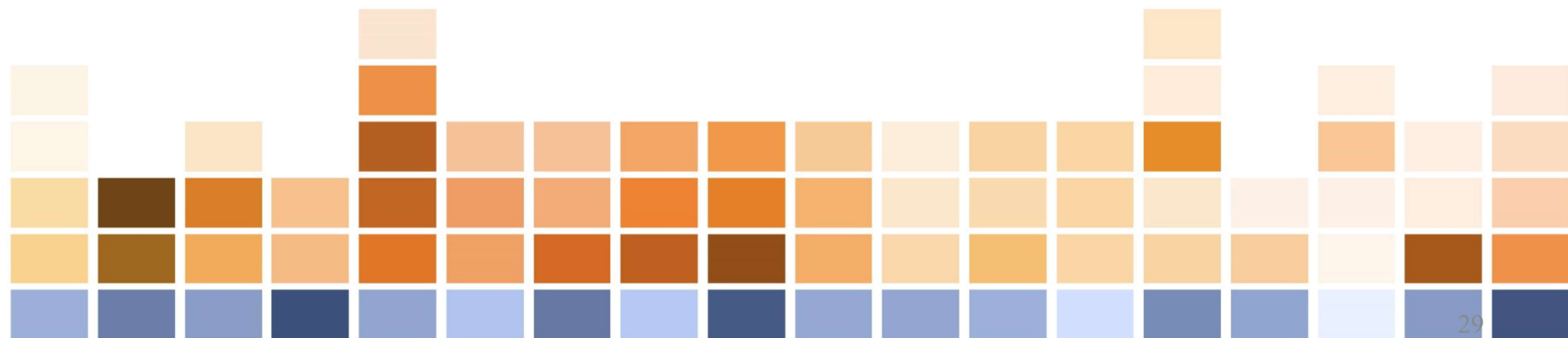
Alcuni ingredienti per realizzare il modello ideale

Impegno delle istituzioni → sviluppo di infrastrutture

Impegno editoria scientifica → investimenti, integrazione, open access

Politiche della ricerca → cambiamenti nel sistema di valutazione

Buone pratiche → diffuse non solo all'interno di singole comunità scientifiche



AISA, Milano 9-10 Novembre 2017

Grazie per l'attenzione!



AISA, Milano 9-10 Novembre 2017